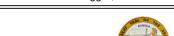
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-015929 Address: 333 Burma Road **Date Inspected:** 29-Jul-2010

City: Oakland, CA 94607

OSM Arrival Time: 700 **Project Name:** SAS Superstructure **OSM Departure Time:** 1900 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: Mr. Li Jia **CWI Present:** Yes No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:**

34-0006 **Bridge No: Component:** Orthotropic Box Girder (OBG)

Summary of Items Observed:

This CALTRANS OSM Quality Assurance Inspector (QA) Surendra Prabhu was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

BAY-6

This QA Inspector Randomly observed the following work in progress:

ZPMC personnel heat straightening OBG member identified as SP3085A. Distortion appeared to be caused by welding of the material. ZPMC Quality Control (QC) inspector identified as Mr. Xia Yong Zheng was present to monitor the heat straightening process. The heat straightening appeared to comply with Heat Straightening Report (HSR) HSR1 (B) 8927.

ZPMC personnel heat straightening OBG member identified as DP3113A. Distortion appeared to be caused by welding of the material. ZPMC Quality Control (QC) inspector identified as Mr. Xia Yong Zheng was present to monitor the heat straightening process. The heat straightening appeared to comply with Heat Straightening Report (HSR) HSR1 (B) 8928.

BAY-7

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

Flux Cored Arc Welding (FCAW) of weld joint SP3087-001-009,010. Welder is identified as 204342. ZPMC Quality Control (QC) is identified as Mr. Guopan. The welding variables appeared to comply with the Applicable WPS: WPS-B- T-2132-3.

FCAW of weld joint SP3087-001-054,055. Welder is identified as 053609. ZPMC Quality Control (QC) is identified as Mr. Guopan. The welding variables appeared to comply with the Applicable WPS: WPS-B- T-2132-3.

Shielded Metal Arc Welding (SMAW) Tack welding of weld joint FB4101-001-013,014. Welder is identified as 049771. ZPMC Quality Control (QC) is identified as Mr. Wang Liang. The welding variables appeared to comply with the Applicable WPS: WPS-B- B- P-2112.

SMAW Tack welding of weld joint DP3112-001-009,010. Welder is identified as 049485. ZPMC Quality Control (QC) is identified as Mr. Wang Liang. The welding variables appeared to comply with the Applicable WPS: WPS-B- P-2112.

SMAW Tack welding of weld joint FB4104-001-017,018. Welder is identified as 054456. ZPMC Quality Control (QC) is identified as Mr. Wang Liang. The welding variables appeared to comply with the Applicable WPS: WPS-B- P-2112.

BAY-8

FCAW of weld joint BK004A4-055-014,015. Welder is identified as 040671. ZPMC Quality Control (QC) is identified as Mr. Yong Qing Feng. The welding variables appeared to comply with the Applicable WPS: WPS-B-T-2132.

FCAW of weld joint BK004A7-055-031,032. Welder is identified as 500479. ZPMC Quality Control (QC) is identified as Mr. Yong Qing Feng. The welding variables appeared to comply with the Applicable WPS: WPS-B-T-2132.

During the Caltrans Quality Assurance in-process observations of the fabrication of Bike Path(BK) BK004A1-061, this QA Inspector observed ZPMC personnel performing heat straightening on the Top Plate of the bike path which is distorted approx. 15mm in 1000mm. The heat straightening was performed without the engineer's approval. The Bike Path is identified as BK004A1-061. The weld is identified as BK004A1-061-009. The weld is CJP butt joint, joining to Top plate (BKPL1A) to Top plate (BKPL2A). The Material thickness is 16 mm.

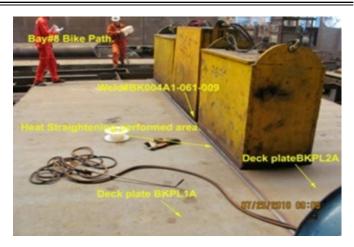
This QA generated an Incident Report on this date for the above issue, for further information see the incident report and the attached photos.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)









Summary of Conversations:

Only general conversation was held between QA and Quality Control (QC) concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Prabhu,Surendra	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer